

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P745555

Luminaire Tested: LD4D25D010-EU4DR6020359040-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745555
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D25D010-EU4DR6020359040-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2347.7 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

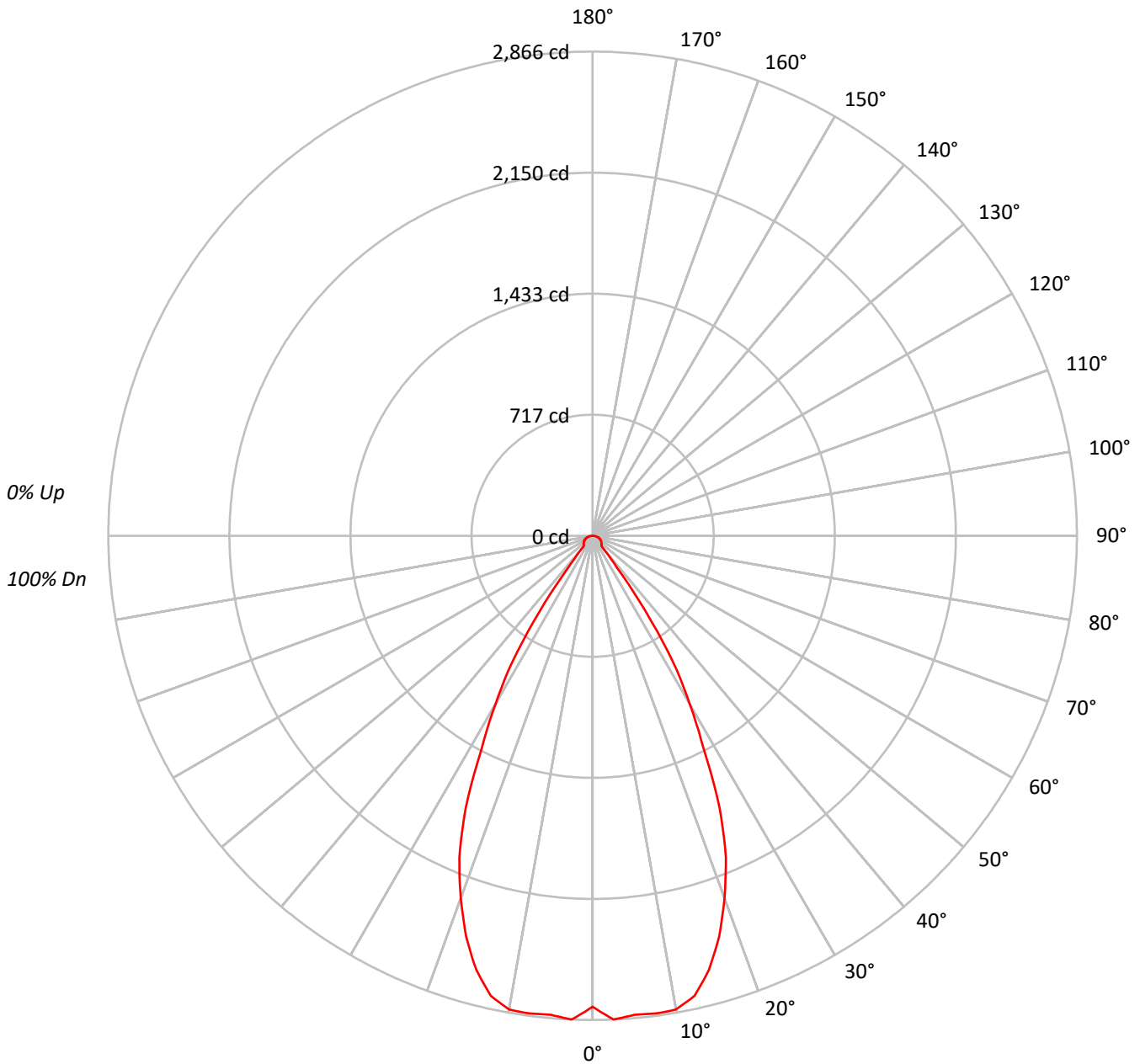


Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	304641
5°	312122
10°	315897
15°	300931
20°	265323
25°	214614
30°	145164
35°	72747
40°	11795
45°	11558
50°	11780
55°	11963
60°	12303
65°	12565
70°	12874
75°	13002
80°	12521
85°	10530

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 13002 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.0	11.6
10°-20°	735.9	31.3
20°-30°	791.8	33.7
30°-40°	344.2	14.7
40°-50°	57.8	2.5
50°-60°	56.2	2.4
60°-70°	48.1	2.0
70°-80°	32.2	1.4
80°-90°	9.6	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1799.6	76.7
0°-40°	2143.8	91.3
0°-60°	2257.8	96.2
0°-90°	2347.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2347.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2788	
5°	2846	272
15°	2660	736
25°	1780	792
35°	545	344
45°	75	58
55°	63	56
65°	49	48
75°	31	32
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2788.2
2.5°	2866.5
5°	2845.8
7.5°	2852.4
10°	2847.3
12.5°	2788.5
15°	2660.4
17.5°	2488.4
20°	2281.9
22.5°	2061.0
25°	1780.2
27.5°	1423.8
30°	1150.6
32.5°	886.8
35°	545.4
37.5°	233.3
40°	82.7
42.5°	76.2
45°	74.8
47.5°	72.2
50°	69.3
52.5°	66.1
55°	62.8
57.5°	59.5
60°	56.3
62.5°	52.6
65°	48.6
67.5°	44.6
70°	40.3
72.5°	35.6
75°	30.8
77.5°	25.4
80°	19.9
82.5°	14.2
85°	8.4
87.5°	2.9
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)